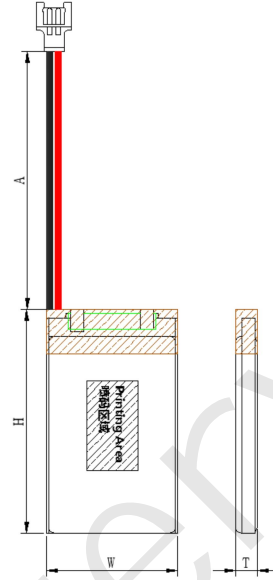




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# Lithium-ion Polymer Battery



Model: UFX 8017120 1600mAh 3.7V

Drawing Of Battery Pack

## Electrical Characteristic

- Nominal Capacity (0.5C Cont., 2.75V cut-off)
- Nominal Voltage
- Resistance
- Cycle Life@0.5C/0.5C@25±5 °C
- Self Discharge Rate

1600mAh  
3.7 V  
≤180 mΩ  
>300 times  
≤3% per month@25°C

## Charging&Discharge Characteristic

- Standard Charge Current
- Max. Continuous Charge Current
- Charge Cut-off Voltage
- Standard Discharge Current
- Max. Continuous Discharge Current
- Discharge Cut-off Voltage

320mA  
1600mA  
4.2 V  
320mA  
1600 mA  
2.75 V

## Mechanical Characteristic

- Typical Weight
- Dimensions
- Wire
- Connector

31 g

T8×W17×H122 mm  
UL1007 26AWG  
51006-2P

## Temperature Characteristic

- Discharge Temperature
- Charge Temperature
- Recommend Storage Temperature

-20~60 °C  
0~45 °C  
15~35 °C

## Typical Applications

- Beauty Devices
- Healthcare Devices
- Smart Device
- Digital Productions
- Wearable Devices
- Power Tools

## PCM Specification

- Over-charge Protection Voltage
- Over-discharge Protection Voltage
- Over-current Protection for Discharge
- Short Circuit Protection
- NTC

4.280±0.050 V  
2.400±0.100 V  
3.2±0.5 A  
Available  
No

## Certificates



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## Typical Performance

### Curve Of Different Discharge Rate



### Discharge Curve At Different Temperature



### Self Discharge Curve At Different Temperature



### Cycle Life Curve



### Charging Characteristic



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## Warning and Cautions

### Warning

Danger warning(it should be described in manual or instruction for users, indicated especially) to prevent the possibility of the battery from leaking, heating, explosion. Please observe the following precautions:

- Don't immerse the battery in water and seawater. Please put it in cool and dry environment if no using.
- Do not discard or leave the battery near a heat source as fire or heater.
- Being charged, using the battery charger specifically for that purpose.
- Don't reverse the positive and negative terminals.
- Don't connect the battery to an electrical outlet directly.
- Don't connect the positive and negative terminal directly with metal objects such as wire. Short terminals of battery is strictly prohibited, it may damage battery.
- Do not transport and store the battery together with metal objects such as necklaces, hairpins.
- Do not strike, throw or trample the battery.
- Do not directly solder the battery and pierce the battery with a nail or other sharp object.
- Prohibition of use of damaged cells.
- Don't fall, hit, bend battery body.
- Battery pack designing and packing Prohibition injury batteries.
- Never disassemble the cells.
- Keep the battery away from babies.

### Cautions

- Do not use or leave the battery at very high temperature conditions(for example, strong direct sunlight or a vehicle in extremely hot conditions). Otherwise, it can overheat or fire or its performance will be degenerated and its service life will be decreased.
- Do not use it in a location where is electrostatic and magnetic greatly, otherwise, the safety devices may be damaged, causing hidden trouble of safety.
- If the battery leaks, and the electrolyte get into the eyes. Do not wipe eyes, instead, rinse the eyes with clean water, and immediately seek medical attention. Otherwise, eyes injury can result.
- If the battery gives off an odor, generates heat, becomes discolored or deformed, or in any way appear abnormal during use, recharging or storage, immediately remove it from the device or battery charger and stop using it.
- In case the battery terminals are dirt, clean the terminals with a dry cloth before use. Otherwise power failure or charge failure may occur due to the poor connection with the instrument.



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